

Title (en)

BLADE MEMBER, AND EDGE WORKING APPARATUS FOR THE BLADE MEMBER

Title (de)

KLINGENELEMENT UND KANTENBEARBEITUNGSVORRICHTUNG FÜR DAS KLINGENELEMENT

Title (fr)

ÉLÉMENT LAME, ET APPAREIL D'USINAGE DE BORD POUR L'ÉLÉMENT LAME

Publication

**EP 2233258 A4 20160518 (EN)**

Application

**EP 08867886 A 20081224**

Priority

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- JP 2007337779 A 20071227

Abstract (en)

[origin: EP2233258A1] In a vacuum chamber, the edge of each blade group is subjected to an ion beam treatment under predetermined conditions using a plasma ion gun and argon as a medium, and is subjected to a plasma ion implantation of nitrogen plasma under predetermined conditions using a plasma ion implantation gun. As a result, it is possible to provide a blade member having an edge of a cutting quality enhanced by increasing the sharpness, a blade member having an edge of a rigidity enhanced by increasing the hardness, and a working apparatus capable of working those edges efficiently.

IPC 8 full level

**B26B 21/54** (2006.01); **B23K 15/00** (2006.01); **B23K 15/06** (2006.01); **B26B 9/00** (2006.01); **C23C 14/02** (2006.01); **C23C 14/48** (2006.01); **C23C 14/50** (2006.01); **C23C 14/58** (2006.01); **C23F 4/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

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